

WHAT IS CLAIMED IS:

1. An ink jet printer apparatus for securing a print cartridge which includes:

- an open container having a top opening;
- a porous ink-absorbent in the container;
- a print head in ink communication with the porous ink-absorbent;
- a top cover lid adapted to be placed on the container, over the top opening, to close the container; and
- an ink conduit needle mounted on the top cover lid to longitudinally extend in a horizontal orientation above the porous ink-absorbent when the cover lid is placed on the container, so that a print ink can descend freely by the force of gravity from the ink conduit needle onto the porous ink-absorbent and from the porous ink-absorbent down to the print head, said apparatus comprising:

- a resilient septum;
- an ink delivery connection to said septum;
- a stall for receiving the print cartridge in a substantially horizontal direction so that the ink conduit needle mounted on the top cover lid is horizontally inserted through said septum; and
- a cover door movable closed to cover the print cartridge when the print cartridge is received in said stall, and adapted to secure the print cartridge in place within said stall to ensure that the ink conduit needle cannot be dislodged from said septum.

2. An ink jet printer apparatus as recited in claim 1, wherein said ink delivery connection to said septum is secured on a mounting support, and said cover door is pivotally mounted on said mounting support to be moved closed.

3. An ink jet printer apparatus as recited in claim 2, wherein said ink delivery connection to said septum includes a tubular support for said

septum which is secured on said mounting support and an ink delivery tube which is connected to said tubular support to deliver the print ink through said tubular support to said septum.

4. An ink jet printer apparatus as recited in claim 2, wherein an electrical circuit is located in said stall to connect with a corresponding circuit on the print cartridge, and said cover door secures the print cartridge in place within said stall to ensure that the corresponding circuit on the print cartridge cannot become separated from said electrical circuit in said stall.

5. An ink jet printer apparatus as recited in claim 1, wherein said cover door has a spring-urged retainer that is moved against an inclined surface on the top cover lid, when said cover door is moved closed, in order for said spring-urged retainer to bear against the inclined surface to ensure that the ink conduit needle cannot be dislodged from said septum.

6. An ink jet printer apparatus as recited in claim 4, wherein said spring-urged retainer has an inclined face that complements the inclined surface on the top cover lid.

7. An ink jet printer apparatus as recited in claim 4, wherein said spring-urged retainer is pivotally supported on said cover door.